

**Student Worksheets****Inventing Center Unit 2****Exploring Measures of Center: Median**

Find the median of each of the following sets of measurements. Show your work.

1. 50 47 43 45 44

2. 21 18 19 109 23 27 2

3. 67 65 62 64 61 61

4. 17 24 24 25 26 26 26 27 29 31 17 17

Answer each question:

(a) How is finding the value of the median different for an even and odd number of values?

(b) For an even number of values, the median is often not a value found in the data. So, how can a value not in the data represent the central tendency of the data?

**Student Worksheets****Inventing Center Unit 2****Exploring Measures of Center: Mean**

Here are the measurements of the height of a package in cm: 11, 10, 12, 7.

For each measurement, cut an equivalent length paper strip. Join the paper strips together with tape to create a total length. Then split the total length into 4 equal parts (take  $\frac{1}{2}$  of the total length by folding, then take half of the remaining length). Measure the split length. Relate what you did to the following: The mean is the sum/n. How is what you did like when you fair-shared the M&M's?